

GP-302939

EFFICIENT INTERNAL COMBUSTION ENGINE  
OPERATION USING INTAKE MANIFOLD TUNING

ABSTRACT OF THE DISCLOSURE

An engine control system that controls operation of an internal combustion engine includes an intake manifold that is adjustable to a plurality of resonance geometric configurations. A controller monitors  
5 engine operation and classifies engine operation in one of a plurality of operational categories. The controller adjusts the intake manifold to a resonance geometric configuration associated with the operational category.